

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|  |   |  |   |
|--|---|--|---|
| Applicant's or agent's file reference<br><br>P019862WO | <b>FOR FURTHER<br/>ACTION</b>   |  | see Form PCT/ISA/220<br>as well as, where applicable, item 5 below. |
| International application No.<br><br>PCT/GB2004/001349 | International filing date ( <i>day/month/year</i> )<br><br>31/03/2004 | (Earliest) Priority Date ( <i>day/month/year</i> )<br><br>31/03/2003 |   |
| Applicant<br><br>SONY UNITED KINGDOM LIMITED           |   |  |   |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regards to the drawings,**

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001349

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G10L11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L H04L H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | EP 1 204 277 A (TEKTRONIX INC)<br>8 May 2002 (2002-05-08)<br>the whole document   | 1-29                  |
| A          | US 5 712 920 A (SPILLE JENS)<br>27 January 1998 (1998-01-27)<br>the whole document  | 1-29                  |
| A          | EP 0 540 330 A (SALON TELEVISIOTEHDAS OY)<br>5 May 1993 (1993-05-05)<br>the whole document  | 1-29                  |
| A          | WO 01/74078 A (DIGEO BROADBAND INC)<br>4 October 2001 (2001-10-04)<br>figures 1,7<br>page 6, line 18 - line 28<br>page 8, line 25 - line 34<br>page 9, line 13 - page 10, line 20 | 1-29                  |
| -/--       |   |                       |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the international search report

05/10/2004

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001349

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.      |
|------------|---|----------------------------|
| A          | US 6 046 724 A (HVASS CLAUS)<br>4 April 2000 (2000-04-04)<br><br>abstract<br>figure 1<br>column 1, line 29 - line 43<br>----- | 1,2,<br>11-14,<br>18,22,23 |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001349

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)  | Publication<br>date  |
|---|---|---------------------|---|--|
| EP 1204277                                | A | 08-05-2002          | US 6642966 B1<br>CN 1355652 A<br>EP 1204277 A2<br>JP 2002199360 A   | 04-11-2003<br>26-06-2002<br>08-05-2002<br>12-07-2002   |
| US 5712920                                | A | 27-01-1998          | DE 4241068 A1<br>CN 1091558 A , B<br>DE 59309833 D1<br>EP 0601437 A1<br>JP 7050640 A<br>KR 266387 B1  | 09-06-1994<br>31-08-1994<br>18-11-1999<br>15-06-1994<br>21-02-1995<br>02-10-2000   |
| EP 0540330                                | A | 05-05-1993          | FI 89439 B<br>DE 69220885 D1<br>DE 69220885 T2<br>EP 0540330 A2   | 15-06-1993<br>21-08-1997<br>02-01-1998<br>05-05-1993   |
| WO 0174078                                | A | 04-10-2001          | AU 4769201 A<br>AU 4769301 A<br>AU 4769401 A<br>AU 4775001 A<br>AU 4775801 A<br>AU 4945201 A<br>AU 4954701 A<br>AU 5097901 A<br>AU 5098501 A<br>WO 0174073 A1<br>WO 0174061 A1<br>WO 0174062 A1<br>WO 0174074 A1<br>WO 0174050 A2<br>WO 0174078 A1<br>WO 0174063 A1<br>WO 0173525 A2<br>WO 0174051 A2<br>US 2002056083 A1<br>US 2001051436 A1<br>US 2002060750 A1 | 08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>08-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>04-10-2001<br>09-05-2002<br>13-12-2001<br>23-05-2002 |
| US 6046724                                | A | 04-04-2000          | AT 235291 T<br>AU 5997996 A<br>DE 69627036 D1<br>WO 9641667 A1<br>DK 889746 T3<br>EP 0889746 A1   | 15-04-2003<br>09-01-1997<br>30-04-2003<br>27-12-1996<br>21-07-2003<br>13-01-1999   |